MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

DECEMBER 1954

GIORGIO CONTINO, ACTING DIRECTOR

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WEATHER BUREAU

DECEMBER 1954

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degress Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	63.1	62.6	63.0	62.9	18.3	13.8	15.6	17.9	16.8	16.8
2	64.4	63.9	64.5	64.3	18.8	14.6	16.2	18.6	16.1	17.0
3	64.6	63.8	64.4	64.3	17.7	12.8	16.2	17.2	15.6	16.3
4	63.3	60.7	58.3	60.8	16.0	14.6	13.3	15.1	14.8	14.4
5	54.1	52.7	54.7	53.8	19.1	10.9	17.2	14.2	13.9	15.1
6	57.7	58.9	60.3	59.0	14.4	12.8	13.4	12.6	13.0	13.0
7	60.4	60.4	61.3	60.7	17.8	15.8	16.4	17.5	16.3	16.7
8	64.3	64.1	65.0	64.5	19.4	15.0	17.7	18.6	15.7	17.3
9	65.4	65.4	65.6	65.5	20.0	14.8	16.2	18.9	16.3	17.1
10	66.8	65.1	65.2	65.7	18.9	13.7	16.8	18 6	15.8	17.1
11	64.6	63.6	63.9	64.0	18.0	13.6	15.3	17.9	16.7	16.6
12	64.2	63.7	64.0	64.0	18.6	14.2	15.5	17.8	15.1	16.1
13	64.0	63.0	63.2	63.4	18.5	14.4	16.1	18.2	16.1	16.8
14	64.2	63.6	65.0	64.3	20.2	17.8	16.8	18 9	18.2	18.0
15	63.7	63.5	64.6	63.9	20.9	17.9	20.0	20.3	18.3	19.5
16	63.5	62.4	63.1	63.0	22.3	17.1	19.6	21.1	19.3	20.0
17	62.6	61.4	61.6	61.9	20.7	14.7	18.8	18.4	17.4	18.2
18	61.3	60.6	61.5	60.9	18.4	14.6	16.1	17.9	16.4	16.8
19	63.6	62.9	62.9	63.1	19.0	16.1	15.6	18.9	17.8	17.4
20	62.5	60.1	60.9	61.2	20.1	13.8	17.1	19.4	15.0	17.2
21	63.2	63.2	64.1	63.5	17.7	13.4	16.9	17.0	16.4	16.8
22	63.1	61.2	62.2	62.2	18.8	11.6	15.1	18.6	15.2	16.3
23	63.6	63.0	63 4	63.3	16.4	12.0	13.4	14.0	15.0	14.1
24	61.7	60.5	61.7	61.3	17.9	12.9	15.6	15 4	14.0	15.0
25	62.7	62.0	62.6	62.4	18.2	13.5	15.6	17.4	15.3	16.1
26	61.7	60.1	59.3	60.4	18.3	12.3	15.2	17.8	15.1	16.0
27	57.5	56.7	57.1	57.1	16.7	9.3	15.9	12.2	11.7	13.3
28	57.1	57.0	58.0	57.4	14.7	8.7	12.8	13.3	9.4	11.8
29	57.7	55.8	55.2	56.2	12.8	9.3	8.9	12.7	11.1	10.9
30	56.8	58.3	60.3	58.5	14.8	9.9	12.8	14.1	11.1	12.7
31	63.9	63.9	65.0	64.3	16.1	12.1	11.6	15.6	13.3	13.5
	62.17	61.42	62.00	61.86	18.05	13.48	15.60	16.97	15. 23	15.93

Barometer, range for month 766.8 mm. — 752.7 mm.
„ 71-yr. average for month 763.23 mm.
Thermometer, range for month 22.3°C — 8.7°C
„ 71-yr. average for month 15.99°C
Rain total for month 144.52 mm.
„ 71-yrs average for month 185.45 mm.
„ Total, Sept. 1st. to end of month 347.27
„ 71-yrs. average. Sept. 1st. to end of month 374.27 mm.

DECEMBER 1954

METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	14.0	13.8	12.1	13.3	80	67	64	70	6.3	164.0	7.37
2	9.7	13.3	12.6	11.9	54	64	70	63	8.4	95.0	0.25
3	12.1	13.7	12.1	12.6	64	71	70	68	6.0	97.0	3.56
4	14.3	12.5	14.0	13.6	94	73	82	83	0.5	203.0	10.16
5	10.7	13.9	11.9	12.2	53	88	75	72	1.8	418.0	1.27
6	10.5	13.8	12.4	12.2	69	93	86	83	1.8	315.0	14.23
7	12.1	10.7	9.2	10.7	68	57	51	59	4.4	919.0	1.27
8	12.3	11.8	11.1	11.7	61	56	64	60	6.0	127.0	
9	11.6	11.9	13.1	12.2	65	54	73	64	6.0	71.0	
10	12.6	13.9	13.5	13.3	67	68	77	71	5.8	26.0	
11	11.1	13.8	11.6	12.2	67	68	61	65	8.8	156.0	
12	11.1	12.8	12.0	12.0	63	63	70	65	9.0	5.0	
13	11.1	14.4	13.1	12.9	59	67	71	66	9.1	8.0	
14	9.7	13.4	12.8	12.0	51	62	60	58	1.8	100.0	
15	17.4	18.7	13.9	16.7	76	77	66	73	0.7	192.0	
16	14.0	20.0	13.0	15.7	62	80	57	66	8.1	35.0	
17	16.1	17.1	14.2	15.8	75	82	74	77	3.7	48.0	
18	13.6	13.8	13.6	13.7	73	69	75	72	8.0	11.0	
19	12.5	13.4	14.3	13.4	72	61	70	68	7.9	182.0	
20	14.2	16.8	16.0	15.7	71	74	94	80	4 6	288.0	18.54
21	12.1	13.7	11.6	12.5	66	70	65	67	4.9	216.0	10.66
22	10.6	11.3	13.0	11.6	64	54	78	65	2.7	217.0	
23	12.9	14.9	12.5	13.4	84	94	72	83	2.0	208.0	12.70
24	11.1	12.5	13.9	12.5	63	72	86	74	1.6	315.0	11.43
25	11.6	12.7	12.5	12.3	65	67	71	68	4.5	449.0	0.76
26	10.6	12.8	12.0	11.8	63	64	70	66	6.4	282.0	
27	11.6	13.3	12.8	12.6	62	93	93	83	0.9	335.0	15.24
28	10.1	9.6	10.5	10.1	69	63	88	73	2.5	650 0	10.92
29	10.5	8.3	8.8	9.2	92	55	68	72	0.0	246 0	6.35
30	10.5	11.0	10.9	10.8	71	71	82	75	2.8	301.0	11.18
31	11.4	11.6	10.5	11.2	82	65	69	72	3.5	222.0	8.63
	12.05	13.39	12.44	12.64	68.5	69.7	72.6	70.4	4.53	222.61	4.66

Height of Barometer above sea level : 33.7 meters.
„ „ Thermometers above ground :
Dry and wet 1.55 m ; Max. 1.75 m. ; Min. 1.70 m.
Rim of Rain Gauge : above ground 0 56 m. ; above sea level 30.31 m.
Time of reading minus 2 hours equal G.C.T
71 year averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	2cu	9ci-st	1st	4.0	1se	1ne	3ne	light	
2	0	8cu	10st	6.0	1se	1nw	1sw	„	D.a.m
3	5cu-st	9ci-st	8ci-st	7.3	1se	1n	1sw	„	
4	10ni	10st	10st	10.0	2se	1e	1e	„	
5	10st	10ni	9cu-st	9.7	2s	3w	1sw	„	
6	10st	10st	10st	10.0	2sw	1se	1sw	light	
7	7cu-st	6cu-st	10st	7.7	4sw	5sw	2sw	mod.	W, all day
8	10st	0	0	3.3	1sw	1sw	1sw	slight	D. p.m.
9	10ci-st	2cu	0	4.0	1se	1sw	1ne	light	D., a.m. p.m.
10	9st-ci	10ci-cu	10ci	9.7	1e	1n	1e	light	D. a.m. p.m.
11	0	0	0	0.0	1e	1nw	1e	light	D., a.m. p.m.
12	0	0	0	0.0	1e	1sw	1e	„	D., a.m. p.m.
13	0	0	0	0.0	1e	1n	1ne	„	H. a.m. D.a.m. p.m.
14	10ci-st	10ci-st	10st	10.0	1e	1e	1e	„	D. a.m. p.m.
15	10st	10st	10st	10.0	3sw	1ne	1se	slight	D ,a.m.pm.m.overse
16	6cu-st	0	0	2.0	1e	1nw	1e	light	D., a.m., p.m.
17	7cu-st	10st	6st	7.7	1e	2w	1ne	„	D., a.m.
18	2cu-ci	1ci	0	1.0	1e	1nw	1nw	„	D., p.m.
19	0	0	0	0.0	1e	2ne	1ne	„	D. a.m.p.m.
20	0	10st	10ni	6.7	1e	1w	2w	„	D.a.m.
21	8cu	9cu-st	4st	7.0	3w	1w	1w	slight	
22	10ci	10ci	10st	10.0	1e	1sw	2sw	light	
23	10st	10st	0	6.7	1se	1se	1ne	„	
24	10st	6ci-st	9st	8.3	1e	1sw	1sw	„	Th. p.m.
25	10cu-st	10st	0	6.7	2sw	2sw	2se	slight	
26	2ci-st	10st	0	4.0	1se	2sw	1se	slight	
27	10st	10ni	10st	10.0	3sw	1sw	1sw	light	
28	10cu-st	10st	10ni	10.0	1s	4sw	1sw	slight	Th. a.m.
29	10st	10st	0	6.7	1se	1sw	1sw	light	
30	7cu-st	10st	10st	9.0	2ne	1w	1se	„	
31	10st	8cu-st	3st	7.0	1se	1sw	1e	„	
	mean			6.27					

Abbreviations : G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	12	9	2	6	1	0	0	31
14:30	3	3	2	2	0	12	5	4	0	31
20:30	0	6	7	4	0	11	2	1	0	31
Total	3	10	21	15	2	29	8	5	0	93

Number of days with rain 17, fog 0, thunderstorms 2, gale. 0
71 yr. av. number of days with rain during month 13.4